

**SPECIFICATION
FOR
TRACTORS, LAWN AND LAWN-AND-GARDEN**

(THIS SPECIFICATION IS RELEASED FOR PROCUREMENT PURPOSES UNTIL REVISED OR RESCINDED.)

SCOPE

THIS SPECIFICATION COVERS LAWN AND LAWN-AND-GARDEN TYPE TRACTORS PRIMARILY DESIGNED FOR MOWING AND ASSOCIATED LAWN AND GARDEN TYPE WORK. TRACTORS OVER 25 NET ENGINE HORSEPOWER ARE NOT COVERED.

I. I. CLASSIFICATION

THE TRACTORS COVERED IN THIS SPECIFICATION ARE CLASSIFIED INTO THE FOLLOWING TYPES:

TYPE 1. LAWN TRACTORS

MUST CONFORM TO THE FOLLOWING CHARACTERISTICS:

- A. 10 TO 18 HP
- B. BELLY MOUNTED - 30" TO 54" CUT
- C. CAPABLE OF MOWING
- D. CAPABLE OF LIGHT PULLING (250 LBS.)
- E. MANUAL LIFT FOR MOWER DECK
- F. GEAR OR HYDROSTATIC TRANSMISSION
- G. REAR DRAWBAR
- H. GAS POWERED

TYPE 2. LAWN AND GARDEN TRACTORS

MUST CONFORM TO THE FOLLOWING CHARACTERISTICS:

- A. 16 TO 25 HP
- B. BELLY MOUNTED - 36" TO 60" CUT
- C. CAPABLE OF MOWING.
- D. CAPABLE OF HEAVY PULLING (500 LBS.)
- E. CAPABLE OF USING CATEGORY "O" OR CATEGORY "1" 3-POINT HITCH, WHICHEVER IS OFFERED WITH THE TRACTOR, AND GARDEN ATTACHMENTS
- F. GEAR OR HYDROSTATIC TRANSMISSION
- G. FOR TRACTORS 22 HP AND GREATER, CAPABLE OF INCORPORATING A REAR PTO (POWER TAKE-OFF)
- H. GAS OR DIESEL FUEL POWERED

II. APPLICABLE STANDARDS

THE FOLLOWING DOCUMENTS OF ISSUE IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS SHALL FORM A PART OF THIS SPECIFICATION:

ANSI B-71.1, 1980 - SAFETY SPECIFICATION FOR POWER LAWN MOWERS,
LAWN AND GARDEN TRACTOR, AND LAWN TRACTORS
ANSI B-71.4, 1984 - SAFETY SPECIFICATION FOR COMMERCIAL TURF
CARE EQUIPMENT

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
1430 BROADWAY
NEW YORK, NY 10018

SAE J1150 - TERMINOLOGY FOR AGRICULTURAL EQUIPMENT

SAE J1349 – ENGINE POWER TEST CODE FOR SPARK AND COMPRESSION IGNITION; NET POWER
RATING.

SOCIETY OF AUTOMOTIVE ENGINEERS, INC. (SAE)
400 COMMONWEALTH DRIVE
WARRENDALE, PA 15096

III. REQUIREMENTS

A. GENERAL

THIS SPECIFICATION COVERS LAWN TRACTORS AND LAWN AND GARDEN TRACTORS. THEY SHALL BE COMPLETE WITH ALL NECESSARY OPERATING ACCESSORIES CUSTOMARILY FURNISHED BY THE MANUFACTURER WITH TRACTORS OF THIS TYPE TO ENABLE THE UNIT TO FUNCTION RELIABLY AND EFFICIENTLY IN SUSTAINED OPERATION.

1. ENGINE

THE ENGINE SHALL BE A HEAVY DUTY, GASOLINE OR DIESEL FUELED, AIR OR LIQUID COOLED, WITH A CAST IRON BLOCK. IF AN ALUMINUM BLOCK IS USED, CAST IRON CYLINDER INSERTS ARE REQUIRED AND ALUMINUM PISTONS SHALL BE FURNISHED. THE ENGINE MUST BE OF THE 4-CYCLE TYPE.

2. COMPONENTS

COMPONENTS, INCLUDING ATTACHMENTS, SHALL BE THE PRODUCT OF THE TRACTOR MANUFACTURER, OR SHALL BE AS RECOMMENDED BY THE TRACTOR MANUFACTURER FOR USE WITH THE SPECIFIC MODEL OF TRACTOR OFFERED.

3. STANDARD PARTS

WHETHER SPECIFICALLY MENTIONED HEREIN OR NOT, ALL STANDARD PARTS, ADAPTERS, FASTENERS, CONTROLS, AND ASSEMBLIES WHICH ARE REQUIRED FOR COMPLETE AND EFFICIENT OPERATION OF THE EQUIPMENT SHALL BE FURNISHED. ALL EQUIPMENT ADVERTISED AS STANDARD IN THE MANUFACTURER'S CURRENT AND UNALTERED PUBLISHED LITERATURE SHALL BE FURNISHED.

4. MATERIALS

THE TRACTOR AND ALL PARTS THEREOF SHALL BE MADE OF MATERIALS WHICH ARE SUITABLE FOR THE INTENDED SERVICE AND SHALL BE DESIGNED AND MANUFACTURED CONSISTENT WITH CURRENT BEST INDUSTRY PRACTICES. MATERIALS SHALL BE TREATED TO RESIST RUST, CORROSION, AND WEAR.

5. EASE OF MAINTENANCE

ALL MAJOR ASSEMBLIES AND INSTALLED ATTACHMENTS SHALL BE ACCESSIBLE FOR MAINTENANCE, REPAIR, AND REPLACEMENT. SUITABLE AND READILY ACCESSIBLE LUBRICATION FITTINGS SHALL BE PROVIDED AT ALL POINTS WHERE LUBRICATION IS REQUIRED.

B. DETAILED

1. TRANSMISSION

THE TRANSMISSION SHALL BE EITHER HYDROSTATIC OR GEAR TYPE, AS SPECIFIED IN THE INVITATION FOR BIDS. VARIABLE SPEED BELT-AND-PULLEY TYPE TRANSMISSIONS, WHETHER CONTINUOUSLY OR DISCRETELY VARIABLE, ARE NOT ACCEPTABLE.

2. FINAL DRIVE

THE FINAL DRIVE SHALL BE EITHER THROUGH A TRANSAXLE OR DIFFERENTIAL, WHICHEVER IS STANDARD FOR THE MODEL OFFERED.

3. SPEED RANGE

SPEED RANGE SHALL BE IN ACCORDANCE WITH THAT GIVEN IN THE MANUFACTURER'S CURRENT PUBLISHED LITERATURE FOR THE MODEL OFFERED.

4. BRAKES

DRUM OR DISC SERVICE BRAKES, PLUS PARKING BRAKE.

5. PTO DRIVE

BELT DRIVE OR SHAFT DRIVE.

6. TYPE LIFT

MANUAL OR HYDRAULIC WITH CONVENIENT HAND CONTROL.

7. ELECTRICAL

12-V SYSTEM WITH GENERATOR (OR ALTERNATOR) AND BATTERY.

8. STARTING

ELECTRIC, WITH AN IGNITION SWITCH. SAFETY START TYPE IGNITION. KEY IS REMOVABLE ONLY WHEN SWITCH IS OFF. TRACTOR TO START ONLY IN NEUTRAL.

9. TIRES

SHALL BE OF THE PNEUMATIC TYPE. TREAD MAY BE OF THE TURF-SAFE OR LUG TYPE, AS SPECIFIED IN THE INVITATION FOR BIDS.

10. MISC. EQUIPMENT

TO INCLUDE DELUXE SEAT WITH BACK REST, OR CONTOURED BUCKET TYPE, SAFETY FOOT REST, REAR DRAWBAR. HEADLIGHTS AND REAR TAIL LIGHTS ARE REQUIRED ON TYPE 2 TRACTORS.

11. ATTACHMENTS

WHEN SPECIFIED IN THE INVITATION FOR BIDS, CATEGORY "0" 3-POINT HITCH (ON TYPE 2 TRACTORS), SWEEPER, TILLER, RAKE, SPIKES, PLOW, PLANTER, AND/OR OTHER ATTACHMENTS AS REQUIRED SHALL BE FURNISHED.

IV. WARRANTY

UNDER THIS PROPOSAL AND AGREEMENT THE SUPPLIER WARRANTS THE EQUIPMENT TO BE OF GOOD MATERIAL AND WORKMANSHIP AND AGREES TO PROMPTLY REPLACE ANY PART OR PARTS WHICH BY REASON OF DEFECTIVE MATERIAL OR WORKMANSHIP SHALL FAIL UNDER NORMAL USE, FREE OF NEGLIGENCE OR ACCIDENT, FOR A MINIMUM PERIOD OF 12 MONTHS FROM DATE PUT IN OPERATION. SUCH REPLACEMENT SHALL BE FREE OF ANY CHARGE TO THE USER. USER IS RESPONSIBLE FOR DELIVERY AND PICK-UP OF UNIT TO AND FROM FACTORY-AUTHORIZED DEALER OR FACTORY-AUTHORIZED SERVICE FACILITY FOR REPAIR OR ROUTINE SERVICING. CONTRACTOR IS RESPONSIBLE FOR SUBSEQUENT DELIVERY AND PICK-UP IF ADDITIONAL REPAIR TO RECTIFY SAME PROBLEM IS NECESSARY (THAT IS, IF FIRST REPAIR DID NOT RECTIFY THE PROBLEM).

V. SERVICE, PARTS, AND MANUALS

LAWN TRACTORS AND LAWN AND GARDEN TRACTORS SHALL BE DELIVERED BY THE CONTRACTOR COMPLETELY ASSEMBLED AND SERVICED, AND READY FOR USE. DROP-SHIPPED UNITS (FOR FINAL ASSEMBLY BY THE USER) ARE NOT ACCEPTABLE.

A. SPARE PARTS AND SERVICE

THE ABILITY TO PROVIDE SPARE PARTS AND SERVICE ON A PROMPT AND CONTINUAL BASIS AND THE COST OF SPARE PARTS MAY BE CONSIDERATIONS IN AWARDED A CONTRACT. IF CALLED FOR IN THE INVITATION FOR BIDS, THE BIDDER WILL BE REQUIRED TO STATE HIS SOURCE OF SPARE PARTS AND FURNISH WITH HIS PROPOSAL A CURRENT MSRP PRICE LIST AND DISCOUNT THEREFROM FOR SPARE PARTS. A PAMPHLET LISTING SPARE PARTS AND MSRP PRICES IS TO BE PROVIDED WITH EACH TRACTOR.

B. INSTRUCTION BOOK

THE CONTRACTOR SHALL FURNISH WITH EACH LAWN TRACTOR, OR LAWN AND GARDEN TRACTOR, AN OWNER'S MANUAL GIVING COMPLETE INSTRUCTIONS FOR THE OPERATION, LUBRICATION, ADJUSTMENT, AND CARE OF THE ENGINE, CHASSIS, MOWER, AND ATTACHMENTS USED.

VI. ACCEPTANCE EVALUATION AND QUALITY ASSURANCE

UPON DELIVERY OF TRACTOR AT THE RECEIVING POINT, THE PURCHASER OR HIS AUTHORIZED REPRESENTATIVE WILL IN A TIMELY MANNER ARRANGE FOR AN ACCEPTANCE INSPECTION FOR COMPLIANCE WITH THIS SPECIFICATION.

VII. DELIVERY AND PAYMENT

DELIVERY OF AND PAYMENT FOR LAWN TRACTORS AND LAWN AND GARDEN TRACTORS PURCHASED UNDER THIS SPECIFICATION SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE INVITATION FOR BIDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY

PACKING, PACKAGING, OR PROTECTION REQUIRED TO INSURE SAFE DELIVERY IN AN
UNDAMAGED CONDITION.

VIII. ORDERING DATA (FOR PURCHASE & CONTRACT USE ONLY)

PURCHASERS SHOULD EXERCISE ANY DESIRED OPTION OFFERED HEREIN AND SHOULD SPECIFY
THE FOLLOWING IN THE REQUISITION AND INVITATION FOR BIDS:

1. TITLE, NUMBER, AND DATE OF THIS SPECIFICATION.
2. LAWN TRACTOR TYPE, STYLE, AND SIZE.
3. ENGINE REQUIREMENT: TYPE 2 TRACTORS: GAS OR DIESEL FUELED.
4. ENGINE HORSEPOWER.
5. ON TYPE 2 TRACTORS: WHETHER PTO IS REQUIRED.
6. TYPE OF TRANSMISSION (SEE ITEM III.B.1.).
7. OPTIONAL: TYPE OF TREAD ON TIRES (SEE SECTION III.B.9).
8. OPTIONAL: ATTACHMENTS (SEE SECTION III.B.11).
9. IF INFORMATION ABOUT SPARE PARTS IS REQUIRED IN THE INVITATION FOR BIDS (SEE
SECTION V.A).

----- **END OF SPECIFICATION** -----